

HUNTERS POINT SHIPYARD  
PARCEL E EMERGENCY REMOVAL ACTION  
LANDFILL GAS CONTROL SYSTEM

WEDNESDAY, 4 SEPTEMBER 2002  
DAILY ENGINEER'S REPORT

SUMMARY OF SITE ACTIVITIES

- Tailgate health and safety meeting.
- Continued trenching along UCSF fence line alignment starting at STA 8+00. Excavated and pretrenched to STA 6+90 along trench alignment; backfilled with pea gravel to STA 7+20. Construction width of gravel backfill is averaging approximately 4' due to concrete obstruction removal.
- Received 4 loads of pea gravel (88 tons) today with no current plans for receiving additional loads this week – enough gravel on-site to finish out this week.
- Soil/debris excavated today is 260 cy with 55 cy stockpiled as suitable backfill.
- Demolished GMP 5.
- ITSI supervisor stated the gas collection pipe installation would **not begin** due to delay in geotextile delivery. See photographs for details regarding the field slotting of the pvc pipe by ITSI.
- ζ Attended conference call with GSE, Cooper Crane, TTEMI, ITSI and the ROICC project representatives. Cooper Crane restated their preference for gravel backfill over sand due to the concerns surrounding compaction although they have never installed Gundwall in sand backfill. Their concerns are based upon sheet piling driving experience in the California area where the driving forces have caused sand compaction. One option discussed was to create a 40' long section of trench with sand backfill instead of gravel (2'-7' bgs) as a test. Based upon the construction schedule and mobilization of Cooper Crane, it would be feasible to construct this section on Friday for testing Gundwall installation on Monday. ITSI will provide a cost analysis to the ROICC/Navy outlining the cost savings for finishing out the trench should the test section prove successful. TTEMI to work with ITSI to provide a sand specification as backfill material.
- EPA representative, M. Work, and DTSC representatives, Chein Koa and Eileen Hughes, were on-site with S. Tyahla for observation of construction activities. No reported concerns.
- TTEMI provided ITSI a sketch of the trench realignment located near STA 1+00 which provide additional clearance between Railroad Museum structures and trench centerline. ITSI will submit RFI regarding overall construction approach from STA 2+00 to 0+00.
- On-going soil screening by New World Technology of soils scheduled for off-site disposal. No elevated RAD soils were found.
- On-going foam application on soil stockpiles and trench excavation.
- ITSI health and safety officer monitored ambient air for LEL and vocs. Action levels were not exceeded in the trench. Highest LEL levels in trench were 2%. Breathing volatile levels peaked at 7 ppm with sustained levels of 2-4 ppm. Strong wind was blowing which kept the sustained levels below action level of 5 ppm.
- On-going dust control utilizing water truck
- On-going control of landfill access gate by either locking or posting of ITSI at the entrance.

### ACTION ITEMS

- Attend Construction Quality Control meeting and follow-up on last week's action items.
  - ROICC to assist ITSI coordinating with the Railroad museum.
  - Get UCSF opinion regarding fencing replacement options.
- Discuss with USCF manager, Bob Cotter, the fence replacement options.
- Work with TTEMI groundwater team and ITSI supervisor on the assessment of the bent groundwater monitoring wells.
- TTEMI and ITSI work together to find local sand supplier that meets technical specifications.
- ITSI to provide cost analysis for change to sand backfill.

### ACTIVITIES PLANNED FOR 9/05/02

- Continue trenching activities along trench alignment (STA 6+90).
- Begin pvc pipe installation – pending delivery of geotextile.

### PHOTOGRAPHS

Photograph 1. Field slotted pvc pipe – slots spaced every 5-inches.



Photograph 2. Field slotted pvc pipe – slot length approx. 3-inches and 0.1-inch wide.



Photograph 3. Asphalt pavement on UCSF along excavated trench line – no visible signs damage.





Photograph 4. Centerline of gravel backfilled trench with long term foam application. Looking from STA 12+00 towards STA 11+00.



Photograph 5. Representative view of edge of industrial landfill waste.





Photograph 6. Preparing gravel backfilled trench for pvc pipe installation.



Photograph 7. Bent groundwater monitoring well labeled IR01P03A.





Photograph 8. Bent groundwater monitoring well IR01P03AA.

